

Enterprise Java Beans (EJB) Training Curriculum

A 5 Day Course

- Enterprise JavaBeans Concepts
 - Distributed Object Systems: RMI and CORBA
 - Enterprise defined/Goals of EJB
 - Enterprise JavaBeans versus JavaBeans
 - EJB Architecture
 - Application Server
 - EJB
 - EJB Server
 - EJB Container
 - EJB Clients
 - Interfaces: Home, Remote, and EJBObject
 - Auxiliary Systems: JNDI, JTS
 - Session versus Entity Beans
 - Deploying an EJB
- Session Beans
 - Concepts
 - Passivation/Activation
 - Stateless versus Stateful
 - Persistent Session Beans
 - Interfaces and Classes
 - Writing an EJB Client
 - Locating Bean Container
 - Allocating a Bean
 - Interacting with the Bean
 - Disposing of the Bean
 - Packaging and Deploying EJB
 - .ser files
 - Manifest
 - Deployment Descriptors
 - Deploying Enterprise JavaBean Components
- Entity Beans
 - Introduction to Entity Beans

- Persistence
 - Bean-Managed Persistence
 - Container-Managed Persistence
- Interfaces and Classes
- Implementing a Finder Interface
- Calling Entity Beans from Session Beans
- Container Policies for Providing Synchronization
- Transactions
 - What are Transactions?
 - What is a distributed transaction?
 - Two-phase Commit
 - Transaction Manager, Monitors, and Services
 - CORBA's OTS
 - Declarative Transactions
 - Examples of Bean Managed Transactions
 - Client Demarcated Transactions
 - Transaction-Aware Database Drivers
- Advanced Topics
 - EJB-to-CORBA Bindings
 - Servlets and EJBs
 - Security
 - AccessControlEntry

Pre-requisites

It is recommended that the students are familiar with the following :

- RMI
- CORBA
- JDBC
- Basic Java knowledge including exception handling, threads, full use of all the language constructs, and familiarity with the core Java 1.1 APIs.